

GenCore version 5.1.4.D5.4578  
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OM protein - nucleic search, using frame\_plus\_p2n model

Run on: March 15, 2003, 23:25:27 ; Search time 4.44656 Seconds  
(without alignments)  
2525.515 Million cell updates/sec

Title: US-08-978-217-12

Perfect score: 84

Sequence: 1 KNSSGWKEEBVLQSRN 16

Scoring table: BLOSUM62  
Xgapop 10.0 , Xgapext 0.5  
Ygapop 10.0 , Ygapext 0.5  
Fgapop 6.0 , Fgapext 7.0  
Delop 6.0 , Delext 7.0

Searched: 501302 seqs, 350932545 residues

Total number of hits satisfying chosen parameters: 1002604

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%  
Listing first 45 summaries

Command line parameters:

-MODE=frame+ p2n.model -DEV=xip  
-Q=/cgn2\_1/USFTO.spool/US08978217/runat\_14032003\_141840\_13490/app.query.fasta\_1.1500  
-DB=published.Applications\_NA -QMT=fastap -SUFFIX=rnpb -MINMATCH=0.1  
-LOOPEXT=0 -LOOPEXT=0 -UNITS=bits -START=1 -END=-1 -MATRIX=blosum62  
-TRANS=human40.ccd -LIST=45 -DOCCALIGN=200 -THR SCORE=pct -THR MAX=100  
-THR MIN=0 -MODE=LOCAL -OUTFMT=ptc -NORM=ext -HEAPSIZE=500 -MINLEN=0  
-MAXLEN=2000000000 -USER=US08978217 @CGN 1.1.145 @runat\_14032003\_141840\_13490  
-NCPU=6 -ICPU=3 -NO\_XLPRY -NO\_MMAP -LARGEQUERY -NEG\_SCORES=0 -WAIT -LONGLOG  
-DEV\_TIMEOUT=120 -WARN\_TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5 -FGAPOP=6  
-FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database: Published Applications NA:\*

1: /cgn2\_6/ptodata/2/pubpna/US07\_PUBCOMB.seq:\*  
2: /cgn2\_6/ptodata/2/pubpna/PCT\_NEW\_PUB.seq:\*  
3: /cgn2\_6/ptodata/2/pubpna/US06\_NEW\_PUB.seq:\*  
4: /cgn2\_6/ptodata/2/pubpna/US07\_PUBCOMB.seq:\*  
5: /cgn2\_6/ptodata/2/pubpna/US07\_NEW\_PUB.seq:\*  
6: /cgn2\_6/ptodata/2/pubpna/PCTUS\_PUBCOMB.seq:\*  
7: /cgn2\_6/ptodata/2/pubpna/US08\_NEW\_PUB.seq:\*  
8: /cgn2\_6/ptodata/2/pubpna/US08\_PUBCOMB.seq:\*  
9: /cgn2\_6/ptodata/2/pubpna/US09\_NEW\_PUB.seq:\*  
10: /cgn2\_6/ptodata/2/pubpna/US09\_PUBCOMB.seq:\*  
11: /cgn2\_6/ptodata/2/pubpna/US10\_NEW\_PUB.seq:\*  
12: /cgn2\_6/ptodata/2/pubpna/US10\_PUBCOMB.seq:\*  
13: /cgn2\_6/ptodata/2/pubpna/US60\_NEW\_PUB.seq:\*  
14: /cgn2\_6/ptodata/2/pubpna/US60\_PUBCOMB.seq:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	84	100.0	451	10	US-09-998-598-32
2	84	100.0	499	10	US-09-998-598-2290
3	84	100.0	1915	10	US-09-964-824A-101
4	84	100.0	1915	10	US-09-964-824A-563

5	84	100.0	1915	10	US-09-880-107-3420	Sequence 3420, Ap
6	84	100.0	1915	10	US-09-967-768A-192	Sequence 192, Ap
7	84	100.0	1917	9	US-10-025-380-1105	Sequence 1105, Ap
8	84	100.0	1917	10	US-09-922-217-1105	Sequence 1105, Ap
9	84	100.0	1996	10	US-09-925-301-207	Sequence 207, Ap
10	57	67.9	1681	9	US-09-985-480-40	Sequence 40, Ap
11	48	57.1	174	9	US-09-933-797-678	Sequence 678, Ap
12	46	54.8	1571	9	US-09-938-842A-4493	Sequence 4493, Ap
13	46	54.8	3060	9	US-09-938-842B-760	Sequence 760, Ap
14	46	54.8	11517	10	US-09-901-106-1	Sequence 1, Ap
15	45	53.6	463	10	US-09-983-965-4018	Sequence 4018, Ap
16	45	53.6	538	10	US-09-864-761-15437	Sequence 15437, A
17	45	53.6	1364	10	US-09-880-107-2207	Sequence 2207, Ap
18	45	53.6	1959	10	US-09-764-898-76	Sequence 76, Ap
19	45	53.6	7557	12	US-10-044-090-253	Sequence 253, Ap
20	44	52.4	2895	10	US-09-998-598-369	Sequence 369, Ap
21	44	52.4	32193	9	US-09-764-868-1508	Sequence 1508, Ap
22	44	52.4	9865	10	US-09-770-688A-3	Sequence 3, Ap
23	44	52.4	640681	10	US-09-790-988-1	Sequence 1, Ap
24	43	51.2	475	10	US-09-864-761-5363	Sequence 5363, Ap
25	43	51.2	655	10	US-09-734-569-141	Sequence 141, Ap
26	43	51.2	714	10	US-09-910-943-119	Sequence 119, Ap
27	43	51.2	2450	10	US-09-734-569-177	Sequence 177, Ap
28	43	51.2	4037	9	US-09-954-531-986	Sequence 986, Ap
29	43	51.2	4037	10	US-09-880-107-3942	Sequence 3942, Ap
30	43	51.2	4516	10	US-09-764-877-3670	Sequence 3670, Ap
31	43	51.2	7524	10	US-09-764-847-1159	Sequence 1159, Ap
32	43	51.2	32134	10	US-09-764-847-1057	Sequence 1057, Ap
33	43	51.2	32134	10	US-09-764-847-3535	Sequence 3535, Ap
34	43	51.2	368004	10	US-09-949-654-3	Sequence 3, Ap
35	43	51.2	378361	9	US-09-901-136-3	Sequence 3, Ap
36	42	50.0	152	10	US-09-864-761-23799	Sequence 23799, A
37	42	50.0	252	10	US-09-878-574-15540	Sequence 15540, A
38	42	50.0	294	10	US-09-974-300-6733	Sequence 6733, Ap
39	42	50.0	544	10	US-09-864-761-7068	Sequence 7068, Ap
40	42	50.0	694	9	US-09-229-173-17	Sequence 17, Ap
41	42	50.0	855	10	US-09-974-300-1041	Sequence 1041, Ap
42	42	50.0	1159	10	US-09-925-301-251	Sequence 251, Ap
43	42	50.0	1265	9	US-09-736-457-95	Sequence 95, Ap
44	42	50.0	1265	9	US-09-902-941-95	Sequence 95, Ap
45	42	50.0	1265	9	US-09-849-626-95	Sequence 95, Ap

#### ALIGNMENTS

RESULT 1  
US-09-998-598-32  
; Sequence 32, Application US/0998598  
; Patent No. US20020150922A1  
; GENERAL INFORMATION:  
; APPLICANT: Stolk, John A.  
; APPLICANT: Xu, Jiangchun  
; APPLICANT: Chenault, Ruth A.  
; APPLICANT: Meagher, Madeline Joy  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
; FILE REFERENCE: 210121.561  
; CURRENT APPLICATION NUMBER: US/09/998.598  
; CURRENT FILING DATE: 2001-11-16  
; NUMBER OF SEQ ID NOS: 2606  
; SOFTWARE: Corixa Invention Disclosure Database  
; SEQ ID NO 32  
; LENGTH: 451  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-998-598-32

Alignment Scores:  
Pred. No.: 3,73e-06  
Score: 84.00  
Percent Similarity: 100.00%  
Best Local Similarity: 100.00%  
Query Match: 100.00%

Length: 451  
Matches: 16  
Conservative: 0  
Mismatch: 0  
Indels: 0

DB: 10 Gaps: 0

US-08-978-217-12 (1-16) x US-09-998-598-32 (1-451)

OY 1 LysAnserSerGlyTTPlysgluGluValLeuGlnSerArgAsn 16

Db 170 AAAAAGCTCAAGCGGCTGGAAGAGAGAGAGGTTCTCCAGAGTCGGAAC 217

RESULT 2

US-09-998-598-2290/C

/ Sequence 2290, Application US/09998598

/ Patent No. US20020150922A1

/ GENERAL INFORMATION:

/ APPLICANT: Stolk, John A.

/ APPLICANT: Xu, Jiangchun

/ APPLICANT: Chenault, Ruth A.

/ APPLICANT: Mesgher, Madelein Joy

/ TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

/ FILE REFERENCE: 210121.561

/ CURRENT APPLICATION NUMBER: US/09/998,598

/ CURRENT FILING DATE: 2001-11-16

/ NUMBER OF SEQ ID NOS: 2608

/ SOFTWARE: Corixa Invention Disclosure Database

/ SEQ ID NO 2290

/ LENGTH: 499

/ TYPE: DNA

/ ORGANISM: Homo sapiens

US-09-998-598-2290

Alignment Scores:

Pred. No.: 4,21e-06 Length: 499

Score: 84.00 Matches: 16

Percent Similarity: 100.00% Conservative: 0

Best Local Similarity: 100.00% Mismatches: 0

Query Match: 100.00% Indels: 0

DB: 10 Gaps: 0

US-08-978-217-12 (1-16) x US-09-998-598-2290 (1-499)

OY 1 LysAnserSerGlyTTPlysgluGluValLeuGlnSerArgAsn 16

Db 95 AAAAAGCTCAAGCGGCTGGAAGAGAGAGGTTCTCCAGAGTCGGAAC 48

RESULT 3

US-09-964-824A-101

/ Sequence 101, Application US/09964824A

/ Patent No. US20020102531A1

/ GENERAL INFORMATION:

/ APPLICANT: Horrigan, Stephen

/ TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signatu

/ FILE REFERENCE: 689290-73

/ CURRENT APPLICATION NUMBER: US/09/964,824A

/ CURRENT FILING DATE: 2001-09-27

/ PRIOR APPLICATION NUMBER: US/60/236,033

/ PRIOR FILING DATE: 2000-09-28

/ PRIOR APPLICATION NUMBER: US/60/236,032

/ PRIOR FILING DATE: 2000-09-28

/ PRIOR APPLICATION NUMBER: US/60/236,028

/ PRIOR FILING DATE: 2000-09-28

/ NUMBER OF SEQ ID NOS: 583

/ SOFTWARE: PatentIn version 3.0

/ SEQ ID NO 101

/ LENGTH: 1915

/ TYPE: DNA

/ ORGANISM: Homo sapiens

US-09-964-824A-101

Alignment Scores:

Pred. No.: 2.07e-05 Length: 1915

Score: 84.00 Matches: 16

Percent Similarity: 100.00% Conservative: 0

Best Local Similarity: 100.00% Mismatches: 0

Query Match: 100.00% Indels: 0

DB: 0 Gaps: 0

Best Local Similarity: 100.00% Mismatches: 0

Query Match: 100.00% Indels: 0

DB: 10 Gaps: 0

US-08-978-217-12 (1-16) x US-09-964-824A-101 (1-1915)

OY 1 LysAnserSerGlyTTPlysgluGluValLeuGlnSerArgAsn 16

Db 1185 AAAAAGCTCAAGCGGCTGGAAGAGAGAGGTTCTCCAGAGTCGGAAC 1232

RESULT 4

US-09-964-824A-563

/ Sequence 563, Application US/09964824A

/ Patent No. US20020102531A1

/ GENERAL INFORMATION:

/ APPLICANT: Horrigan, Stephen

/ TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signatu

/ FILE REFERENCE: 689290-73

/ CURRENT APPLICATION NUMBER: US/09/964,824A

/ CURRENT FILING DATE: 2001-09-27

/ PRIOR APPLICATION NUMBER: US/60/236,033

/ PRIOR FILING DATE: 2000-09-28

/ PRIOR APPLICATION NUMBER: US/60/236,032

/ PRIOR FILING DATE: 2000-09-28

/ PRIOR APPLICATION NUMBER: US/60/236,028

/ PRIOR FILING DATE: 2000-09-28

/ NUMBER OF SEQ ID NOS: 583

/ SOFTWARE: PatentIn version 3.0

/ SEQ ID NO 563

/ LENGTH: 1915

/ TYPE: DNA

/ ORGANISM: Homo sapiens

US-09-964-824A-563

Alignment Scores:

Pred. No.: 2.07e-05 Length: 1915

Score: 84.00 Matches: 16

Percent Similarity: 100.00% Conservative: 0

Best Local Similarity: 100.00% Mismatches: 0

Query Match: 100.00% Indels: 0

DB: 10 Gaps: 0

US-08-978-217-12 (1-16) x US-09-964-824A-563 (1-1915)

OY 1 LysAnserSerGlyTTPlysgluGluValLeuGlnSerArgAsn 16

Db 1185 AAAAAGCTCAAGCGGCTGGAAGAGAGAGGTTCTCCAGAGTCGGAAC 1232

RESULT 5

US-09-880-107-3420

/ Sequence 3420, Application US/09880107

/ Patent No. US20020142981A1

/ GENERAL INFORMATION:

/ APPLICANT: Horne, Darci T.

/ APPLICANT: Vockley, Joseph G.

/ APPLICANT: Scherf, Uwe

/ TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer

/ FILE REFERENCE: 44921-5028-WO

/ CURRENT APPLICATION NUMBER: US/09/880,107

/ CURRENT FILING DATE: 2001-06-14

/ PRIOR APPLICATION NUMBER: US 60/211,379

/ PRIOR FILING DATE: 2000-06-14

/ PRIOR APPLICATION NUMBER: US 60/237,054

/ PRIOR FILING DATE: 2000-10-02

/ NUMBER OF SEQ ID NOS: 3950

/ SOFTWARE: PatentIn Ver. 2.1

/ SEQ ID NO 3420

/ LENGTH: 1915

/ TYPE: DNA

/ ORGANISM: Homo sapiens

US-09-880-107-3420

Alignment Scores:

Pred. No.: 2.07e-05 Length: 1915

Score: 84.00 Matches: 16

Percent Similarity: 100.00% Conservative: 0

Best Local Similarity: 100.00% Mismatches: 0

Query Match: 100.00% Indels: 0

DB: 0 Gaps: 0

OTHER INFORMATION: Genbank Accession No. US20020142961A1 U73843  
US-09-880-107-3420

## Alignment Scores:

Pred. No.:	2.07e-05	Length:	1915
Score:	84.00	Matches:	16
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	100.00%	Indels:	0
DB:	10	Gaps:	0

US-08-978-217-12 (1-16) x US-09-880-107-3420 (1-1915)

Qy 1 LysAsnSerSerGlyTTPlySGluGluValleuGlnSerArgan 16

Db 1185 AAAAATCAAGCGGCTGGAAGAGAGAGGTTCTCCAGAGTCGAAC 1232

## RESULT 6

US-09-967-768A-192  
Sequence 192, Application US/09967768A  
Patent No. US20020150877A1

## GENERAL INFORMATION:

APPLICANT: Augustus, Meena  
TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signatu  
FILE REFERENCE: 689290-72  
CURRENT APPLICATION NUMBER: US/09/967,768A  
PRIOR FILING DATE: 2001-09-28  
PRIOR APPLICATION NUMBER: US/60/236,109  
PRIOR FILING DATE: 2000-09-28  
PRIOR APPLICATION NUMBER: US/60/236,034  
PRIOR FILING DATE: 2000-09-28  
PRIOR APPLICATION NUMBER: US/60/236,111  
NUMBER OF SEQ ID NOS: 325  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 192  
LENGTH: 1915  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-09-967-768A-192

## Alignment Scores:

Pred. No.:	2.07e-05	Length:	1915
Score:	84.00	Matches:	16
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	100.00%	Indels:	0
DB:	10	Gaps:	0

US-08-978-217-12 (1-16) x US-09-967-768A-192 (1-1915)

Qy 1 LysAsnSerSerGlyTTPlySGluGluValleuGlnSerArgan 16

Db 1185 AAAAATCAAGCGGCTGGAAGAGAGAGGTTCTCCAGAGTCGAAC 1232

## RESULT 7

US-10-025-380-1105  
Sequence 1105, Application US/10025380  
Publication No. US20020182191A1

## GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun  
APPLICANT: Lodes, Michael J.  
APPLICANT: Secrist, Heather  
APPLICANT: Benson, Darin R.  
APPLICANT: Meagher, Madeleine Joy  
APPLICANT: Stolk, John A.  
APPLICANT: Wang, Tongtong  
APPLICANT: Jiang, Yugu  
APPLICANT: Smith, Carole L.  
APPLICANT: King, Gordon E.  
APPLICANT: Wang, Aijun  
APPLICANT: Clapper, Jonathan D.

APPLICANT: Skeiky, Yasir A. W.

APPLICANT: Fanger, Gary R.

APPLICANT: Vedvick Thomas S.

APPLICANT: Carter, Darick

TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS

TITLE OF INVENTION: OF COLON CANCER AND METHODS FOR THEIR USE

FILE REFERENCE: 210121.471C14

CURRENT APPLICATION NUMBER: US/10/025,380

CURRENT FILING DATE: 2001-12-19

NUMBER OF SEQ ID NOS: 1129

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 1105

LENGTH: 1917

TYPE: DNA

ORGANISM: Homo sapiens

US-10-025-380-1105

## Alignment Scores:

Pred. No.:	2.07e-05	Length:	1917
Score:	84.00	Matches:	16
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	100.00%	Indels:	0
DB:	9	Gaps:	0

US-08-978-217-12 (1-16) x US-10-025-380-1105 (1-1917)

Qy 1 LysAsnSerSerGlyTTPlySGluGluValleuGlnSerArgan 16

Db 1187 AAAAATCAAGCGGCTGGAAGAGAGAGGTTCTCCAGAGTCGAAC 1234

## RESULT 8

US-09-922-217-1105  
Sequence 1105, Application US/09922217  
Patent No. US20020076414A1

## GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun  
APPLICANT: Lodes, Michael J.  
APPLICANT: Secrist, Heather  
APPLICANT: Benson, Darin R.  
APPLICANT: Meagher, Madeleine Joy  
APPLICANT: Stolk, John A.  
APPLICANT: Wang, Yugu  
APPLICANT: Jiang, Tongtong  
APPLICANT: Smith, Carole Lynn  
APPLICANT: King, Gordon E.  
APPLICANT: Wang, Aijun  
APPLICANT: Clapper, Jonathan D.  
TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS  
TITLE OF INVENTION: OF COLON CANCER AND METHODS FOR THEIR USE  
FILE REFERENCE: 210121.471C13  
CURRENT APPLICATION NUMBER: US/09/922,217  
CURRENT FILING DATE: 2001-08-03  
NUMBER OF SEQ ID NOS: 1124  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 1105  
LENGTH: 1917  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-09-922-217-1105

## Alignment Scores:

Pred. No.:	2.07e-05	Length:	1917
Score:	84.00	Matches:	16
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	100.00%	Indels:	0
DB:	10	Gaps:	0

US-08-978-217-12 (1-16) x US-09-922-217-1105 (1-1917)

Qy 1 LysAsnSerSerGlyTTPlySGluGluValleuGlnSerArgan 16

Db 1187 AAAAATCAAGCGGCTGGAAGAGAGAGGTTCTCCAGAGTCGAAC 1234

Db 1187 AAAAAGCTGAGCGCTGAGAGAGAGAGAGGTTCTCCAGAGTCGAGAC 1234

RESULT 9

US-09-925-301-207

Sequence 207, Application US/09925301

Patent No. US20020052308A1

GENERAL INFORMATION:

APPLICANT: Rosen et al.

TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies

FILE REFERENCE: PA106

CURRENT APPLICATION NUMBER: US/09/925,301

PRIOR FILING DATE: 2001-08-10

PRIOR APPLICATION NUMBER: PCT/US00/05882

PRIOR FILING DATE: 2000-03-08

PRIOR APPLICATION NUMBER: 60/124,270

PRIOR FILING DATE: 1999-03-12

NUMBER OF SEQ ID NOS: 1694

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 207

LENGTH: 1996

TYPE: DNA

ORGANISM: Homo sapiens

US-09-925-301-207

Alignment Scores:

Pred. No.: 2.17e-05 Length: 1996

Score: 84.00 Matches: 16

Percent Similarity: 100.00% Conservative: 0

Best Local Similarity: 100.00% Mismatches: 0

Query Match: 100.00% Indels: 0

DB: 10 Gaps: 0

US-08-978-217-12 (1-16) x US-09-925-301-207 (1-1996)

Oy 1 LysAnSeSeSergLYTPlYgLuGlUgLuValLeuGInSeRArgAa 16

Db 1206 AAAAAGCTGAGCGCTGAGAGAGAGAGAGGTTCTCCAGAGTCGAGAC 1253

RESULT 10

US-09-986-480-40/c

Sequence 40, Application US/09986480

Publication No. US20030027999A1

GENERAL INFORMATION:

APPLICANT: Rosen et al.

TITLE OF INVENTION: 143 Human Secreted Proteins

FILE REFERENCE: PS500P1

CURRENT APPLICATION NUMBER: US/09/986,480

PRIOR FILING DATE: 2001-11-08

PRIOR APPLICATION NUMBER: PCT/US00/12788

PRIOR FILING DATE: 2000-05-11

PRIOR APPLICATION NUMBER: US 60/134,068

PRIOR FILING DATE: 1999-05-13

NUMBER OF SEQ ID NOS: 456

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 40

LENGTH: 1681

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: SITE

LOCATION: (6)

OTHER INFORMATION: n equals a,t,g, or c

NAME/KEY: SITE

LOCATION: (50)

OTHER INFORMATION: n equals a,t,g, or c

US-09-986-480-40

Alignment Scores:

Pred. No.: 0.82 Length: 1681

Score: 57.00 Matches: 10

Percent Similarity: 81.25% Conservative: 3

Best Local Similarity: 62.50% Mismatches: 3

Query Match: 67.86% Indels: 0

DB: 9 Gaps: 0

US-08-978-217-12 (1-16) x US-09-986-480-40 (1-1681)

Oy 1 LysAnSeSeSergLYTPlYgLuGlUgLuValLeuGInSeRArgAa 16

Db 405 GAAATGACTGAGGCTGAGAGAGAGAGGTTCTCCAGAGTCGAGAC 358

RESULT 11

US-09-933-797-678/c

Sequence 678, Application US/09933797

Patent No. US20020155119A1

GENERAL INFORMATION:

APPLICANT: Robert A. Sikes et al.

TITLE OF INVENTION: Isolation and Use of Fetal Urogenital

FILE REFERENCE: 9901-007-999

CURRENT APPLICATION NUMBER: US/09/933,797

PRIOR FILING DATE: 2001-08-22

PRIOR APPLICATION NUMBER: US/09/482,933

PRIOR FILING DATE: 2000-01-14

PRIOR APPLICATION NUMBER: PCT/US99/10746

PRIOR FILING DATE: 1999-05/14

PRIOR APPLICATION NUMBER: 60/085,383

PRIOR FILING DATE: 1998-05-14

NUMBER OF SEQ ID NOS: 811

SOFTWARE: FastSeq for Windows Version 3.0

SEQ ID NO 678

LENGTH: 174

TYPE: DNA

ORGANISM: Murine

US-09-933-797-678

Alignment Scores:

Pred. No.: 2.01 Length: 174

Score: 48.00 Matches: 8

Percent Similarity: 73.33% Conservative: 3

Best Local Similarity: 53.33% Mismatches: 4

Query Match: 57.14% Indels: 0

DB: 9 Gaps: 0

US-08-978-217-12 (1-16) x US-09-933-797-678 (1-174)

Oy 1 LysAnSeSeSergLYTPlYgLuGlUgLuValLeuGInSeRArg 15

Db 78 AAGCACTTAGAGGCTGAGAGAGAGAGGATTCTCTGCAAGTCGA 34

RESULT 12

US-09-938-842A-4493/c

Sequence 4493, Application US/09938842A

Patent No. US20020160378A1

GENERAL INFORMATION:

APPLICANT: Harper, Jeff

APPLICANT: Kieps, Joel

APPLICANT: Wang, Xun

APPLICANT: Zhu, Tong

TITLE OF INVENTION: STRESS-REGULATED GENES OF PLANTS, TRANSGENIC PLANTS CONTAINING

FILE REFERENCE: SCRIPI300-3

CURRENT APPLICATION NUMBER: US/09/938,842A

PRIOR FILING DATE: 2001-08-24

PRIOR APPLICATION NUMBER: US 60/227,866

PRIOR FILING DATE: 2000-08-24

PRIOR APPLICATION NUMBER: US 60/264,647

PRIOR FILING DATE: 2001-01-16

PRIOR APPLICATION NUMBER: US 60/300,111

PRIOR FILING DATE: 2001-06-22

NUMBER OF SEQ ID NOS: 5379

SEQ ID NO 4493

LENGTH: 1571

TYPE: DNA

ORGANISM: Arabidopsis thaliana

US-09-938-842A-4493

Alignment Scores:

Pred. No.:	60.2	Length:	1571
Score:	46.00	Matches:	8
Percent Similarity:	56.25%	Conservative:	1
Best Local Similarity:	50.00%	Mismatches:	7
Query Match:	54.76%	Indels:	0
DB:	9	Gaps:	0

US-08-978-217-12 (1-16) x US-09-938-842A-4493 (1-1571)

Qy 1 LvAsnSerSerGlyTrrpLygGluGluValLeuGlnSerArgAsn 16  
Db 748 AACAGACAAAAGATGATCGAGAGAGACCGTTCAGAGTTAGTCA 701

RESULT 13

US-09-938-842A-760

Sequence 760, Application US/09938842A

Patent No. US20020160378A1

GENERAL INFORMATION:

APPLICANT: Harper, Jeff

APPLICANT: Kreps, Joel

APPLICANT: Wang, Xun

APPLICANT: Zhu, Tong

TITLE OF INVENTION: STRESS-REGULATED GENES OF PLANTS, TRANSGENIC PLANTS CONTAINING

FILE REFERENCE: SCRIPI300-3

CURRENT APPLICATION NUMBER: US/09/938,842A

CURRENT FILING DATE: 2001-08-24

PRIOR APPLICATION NUMBER: US 60/227,866

PRIOR FILING DATE: 2000-08-24

PRIOR APPLICATION NUMBER: US 60/264,647

PRIOR FILING DATE: 2001-01-16

PRIOR APPLICATION NUMBER: US 60/300,111

PRIOR FILING DATE: 2001-06-22

NUMBER OF SEQ ID NOS: 5379

SEQ ID NO 760

LENGTH: 3060

TYPE: DNA

ORGANISM: Arabidopsis thaliana

US-09-938-842A-760

Alignment Scores:

Pred. No.:	133	Length:	3060
Score:	46.00	Matches:	8
Percent Similarity:	83.33%	Conservative:	2
Best Local Similarity:	66.67%	Mismatches:	0
Query Match:	54.76%	Indels:	0
DB:	9	Gaps:	0

US-08-978-217-12 (1-16) x US-09-938-842A-760 (1-3060)

Qy 2 AsnSerSerGlyTrrpLygGluGluValLeuGln 13  
Db 1477 AATTCCTAGATGAAACGAGAGAGAGTGTCCGA 1512

RESULT 14

US-09-901-106-1

Sequence 1, Application US/09901106

Patent No. US20020151067A1

GENERAL INFORMATION:

APPLICANT: Garoff, Henrik

APPLICANT: Liljestrom, Peter

TITLE OF INVENTION: DNA Expression Systems Based on

NUMBER OF SEQUENCES: 27

CORRESPONDENCE ADDRESS:

ADDRESSEE: Birch, Stewart, Kolasch & Birch

STREET: P.O. Box 747

CITY: Falls Church

STATE: Virginia

COUNTRY: USA

ZIP: 22040-0747

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/901,106

FILING DATE: 10-Jul-2001

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/07/920,281C

FILING DATE: 13-AUG-1992

ATTORNEY/AGENT INFORMATION:

NAME: Murphy Jr., Gerald M.

REGISTRATION NUMBER: 28,977

REFERENCE/DOCKET NUMBER: 828-103P

TELECOMMUNICATION INFORMATION:

TELEPHONE: 703-241-1300

TELEFAX: 703-241-2848

TELEX: 248345

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:

LENGTH: 11517 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: RNA (genomic)

HYPOTHETICAL: NO

ANTI-SENSE: NO

ORIGINAL SOURCE:

ORGANISM: Semliki Forest Virus

FEATURE:

NAME/KEY: -

LOCATION: 1..11517

OTHER INFORMATION: /label= genome

/note= "Semliki Forest Virus complete nucleotide sequence, presented as a cloned DNA sequence; see Figure 5."

FEATURE:

NAME/KEY: CDS

LOCATION: 87..7379

OTHER INFORMATION: /product= "SFV polyprotein"

FEATURE:

NAME/KEY: CDS

LOCATION: 7421..11179

OTHER INFORMATION: /product= "SFV polyprotein"

SEQUENCE DESCRIPTION: SEQ ID NO: 1:

US-09-901-106-1

Alignment Scores:

Pred. No.:	638	Length:	11517
Score:	46.00	Matches:	7
Percent Similarity:	85.71%	Conservative:	5
Best Local Similarity:	50.00%	Mismatches:	2
Query Match:	54.76%	Indels:	0
DB:	10	Gaps:	0

US-08-978-217-12 (1-16) x US-09-901-106-1 (1-11517)

Qy 3 SerSerGlyTrrpLygGluGluValLeuGlnSerArgAsn 16  
Db 675 GCCACAACTGGCGCGACGAGTGTTCAGCGCCAGAAC 716

RESULT 15

US-09-983-965-4018

Sequence 4018, Application US/09983965

Patent No. US20020137160A1

GENERAL INFORMATION:

APPLICANT: Warren, Wesley C.

APPLICANT: Tao, Nengbing

APPLICANT: Wyatt, John C.

APPLICANT: Mathalaagan, Nagappan

TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND

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; TITLE OF INVENTION: MUSCLE AND FAT DEPOSITION
; FILE REFERENCE: 37-21(10297)C
; CURRENT APPLICATION NUMBER: US/09/983, 965
; CURRENT FILING DATE: 2001-10-26
; PRIOR APPLICATION NUMBER: US 09/465,231
; PRIOR FILING DATE: 1999-12-15
; PRIOR APPLICATION NUMBER: US 60/113,678
; PRIOR FILING DATE: 1998-12-17
; NUMBER OF SEQ ID NOS: 5912
; SEQ ID NO 4018
; LENGTH: 463
; TYPE: DNA
; ORGANISM: Bos taurus
; FEATURE:
; OTHER INFORMATION: Clone ID: 54-LIB3058-022-Q1-K1-F10
US-09-983-965-4018

Alignment Scores:
Pred. No.:      21.1      Length:      463
Score:          45.00     Matches:      8
Percent Similarity: 71.43% Conservative: 2
Best Local Similarity: 57.14% Mismatches: 4
Query Match:    53.57%   Indels:      0
DB:             10       Gaps:      0

US-08-978-217-12 (1-16) x US-09-983-965-4018 (1-463)
OY      1  LysAenseSerGlyTrpLysGluGluValLeuGlnSer 14
Db      228 GAAACGAGTCTGTTGGAAATCACAGAAATGCTGATGCT 269

Search completed: March 16, 2003, 03:36:14
Job time : 8.44656 secs
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